

BICYCLE DAMPING ENHANCEMENT SYSTEM

Abstract of the Disclosure

A bicycle shock absorber for differentiating between rider-induced forces and terrain-induced forces includes a first fluid chamber having fluid contained therein, a piston for compressing the fluid within the fluid chamber, a second fluid chamber coupled to the first fluid chamber by a fluid communication hose, and an inertial valve disposed within the second fluid chamber. The inertial valve opens in response to terrain-induced forces and provides communication of fluid compressed by the piston from the first fluid chamber to the second fluid chamber. The inertial valve does not open in response to rider-induced forces and prevents communication of the fluid compressed by the piston from the first fluid chamber to the second fluid chamber.

H:\DOCS\CCD\SPECBIC\016C2 IV SHOCK\APPLICATION.DOC
032604